(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 21 May 2004 (21.05.2004)

PCT

(10) International Publication Number WO 2004/042036 A2

(51) International Patent Classification⁷: 15/81, C07K 14/39

C12N 1/16,

(21) International Application Number:

PCT/EP2003/012377

(22) International Filing Date:

6 November 2003 (06.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

102 52 245.6

7 November 2002 (07.11.2002) DE

(71) Applicant and

(72) Inventor: PORRO, Danilo [IT/IT]; Via Lodorina, 80, I-22036 Erba (IT).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): BRANDUARDI, Paola [IT/IT]; Via C. Mezzofanti, 14, I-20133 Mailand (IT). VALLI, Minoska [IT/IT]; Via Bolgare, 15, I-24050 Calcinate (IT). ALBERGHINA, Lilia [IT/IT]; Via Boscovich, 19, I-20124 Mailand (IT).
- (74) Agents: MAI, Peter et al.; Industriepark Höchst Geb. F821, 65926 Frankfurt am Main (DE).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR EXPRESSION AND SECRETION OF PROTEINS BY THE NON-CONVENTIONAL YEAST ZY-GOSACCHAROMYCES BAILII

(57) Abstract: Herein is disclosed a method for the production of proteins. The protein is expressed by a yeast belonging to the species Zygosaccharomyces bailii. The yeast secretes the protein produced into the culture medium from where it is isolated, thereby simplifying the isolation process. Preferably the yeast is cultivated in chemically defined medium, thereby further simplifying the isolation process significantly.